



**SOUTH BATTERY PARK CITY
RESILIENCY PROJECT**

**MAY 19, 2022
VIRTUAL PUBLIC HEARING**

SOUTH BATTERY PARK CITY RESILIENCY | AGENDA

WELCOME

INTRODUCTION

PROJECT BACKGROUND AND DESCRIPTION

ENVIRONMENTAL REVIEW PROCESS

SCOPING

PURPOSE AND NEED

ALTERNATIVES

ANALYSIS FRAMEWORK

OPERATIONAL AND CONSTRUCTION IMPACTS

NEXT STEPS

SOUTH BATTERY PARK CITY RESILIENCY | CLIMATE ADAPTATION MILESTONES

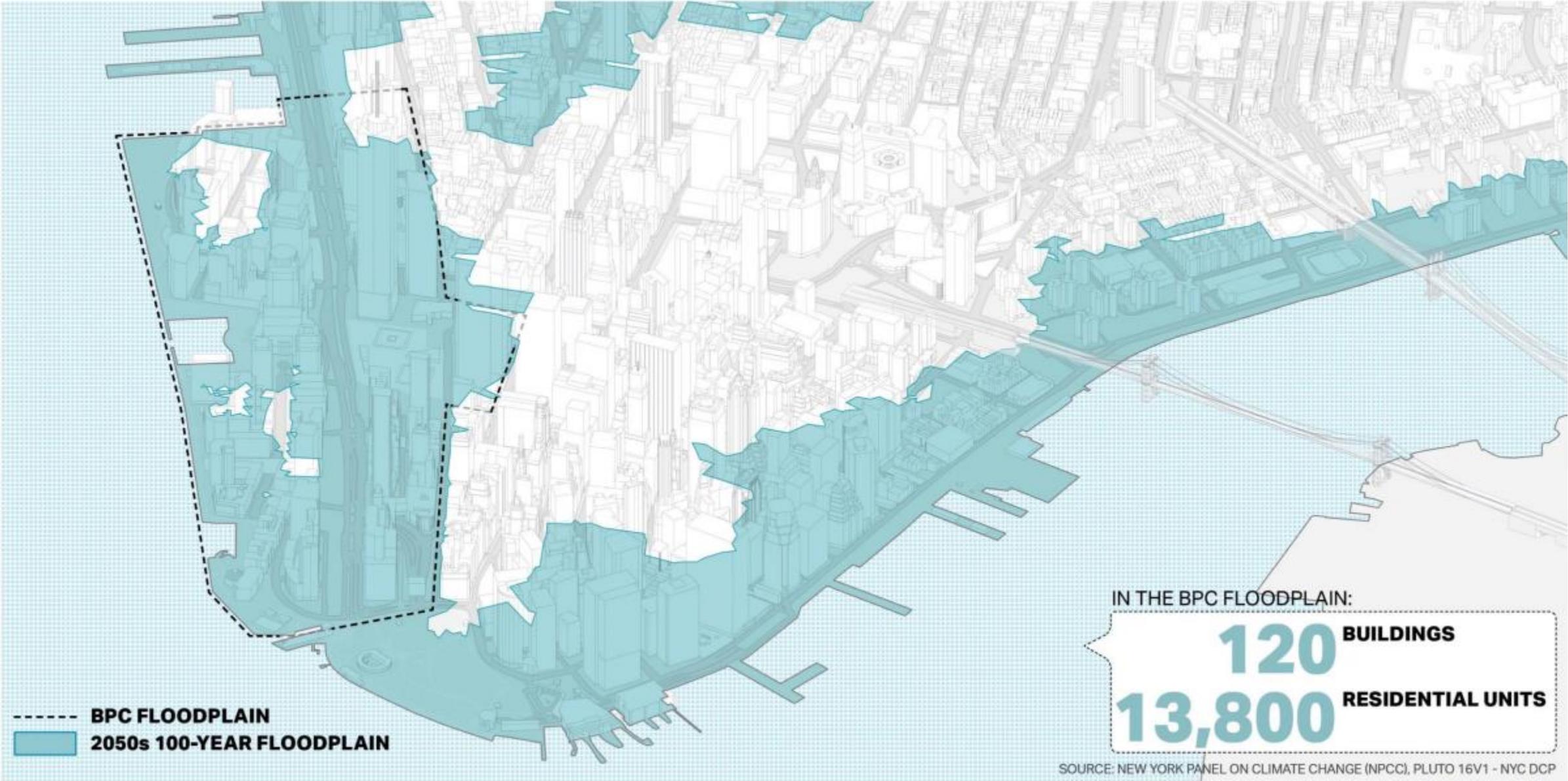
- Wet flood proofing and restoration of Pier A (2014)
- Restoration of Ball Fields (2014)
- Completion of infrastructure risk assessment (2015)
- Raising of electrical vaults above flood zone (2017)
- Upgrading lighting to be water resistant (2017)
- Development of new 5 year capital plan (2018)
- State legislation authorizing a \$500 million increase to our bond cap (2018)
- Bond Issuance for Resiliency (2019)
- Design-Build authority granted (2020)
- Sustainability Plan and Green Guidelines (2020)
- Zero Waste Certification (2021)
- Substantial Completion of Ball Fields Resiliency (2021)
- Climate Action Plan (2022)



SOUTH BATTERY PARK CITY RESILIENCY | CLIMATE ADAPTATION MILESTONES

Forecast Parameters	CSU Forecast for 2022	Average for 1991-2020
Named Storms	19	14.4
Named Storm Days	90	69.4
Hurricanes	9	7.2
Hurricane Days	35	27.0
Major Hurricanes	4	3.2
Major Hurricane Days	9	7.4
Accumulated Cyclone Energy+	160	123

SOUTH BATTERY PARK CITY RESILIENCY | CLIMATE ADAPTATION MILESTONES



SOUTH BATTERY PARK CITY RESILIENCY | CLIMATE ADAPTATION MILESTONES

South Battery Park City Resiliency Project

- Pre-construction Community Walkthroughs (April 23 & 28, 2022)
- Project Update to Manhattan CB1 (March 21, 2022)
- Project Update to Manhattan CB1 (April 2021)
- Project Update to Manhattan CB1 (February 2021)
- Project Update to Manhattan CB1 (June 2020)
- January 15, 2020 Public Meeting
- October 3, 2019 Presentation to CB1 Environ. Protection Committee
- June 24, 2019 Public Meeting
- April 15, 2019 Public Meeting / Design Discussion
- March 12, 2019 Public Meeting
- November 1, 2018 Public Meeting
- Wagner Park Site Assessment & South BPC Resiliency Plan (July 13, 2017)
- Presentation to Manhattan CB1 (June 20, 2017)
- Wagner Park Public Presentation (March 22, 2017)
- Community Presentation (November 9, 2016)

Overall/General Resiliency

- LMCR Quarterly Update (May 16, 2022)
- Assembly Member Niou 2022 Legislative & Budgetary: Environmental Protection / Resiliency Panel Presentation
- Lower Manhattan Coastal Resiliency (LMCR) Quarterly Update (January 24, 2022)
- Update to Manhattan CB1 Executive Committee (August 17, 2021)
- LMCR Quarterly Update (June 21, 2021)
- LMCR Update: Battery Coastal Resilience (March 24, 2021)
- Assembly Member Niou 2021 Legislative & Budgetary Town Hall: Resiliency Panel Presentation
- Assembly Member Niou 2020 Legislative & Budgetary Town Hall: Resiliency Panel Presentation
- Assembly Member Niou Town Hall Feb 2019: Resiliency & Environmental Protection Panel
- BPC Resiliency Assessment Overview (March 22, 2017)

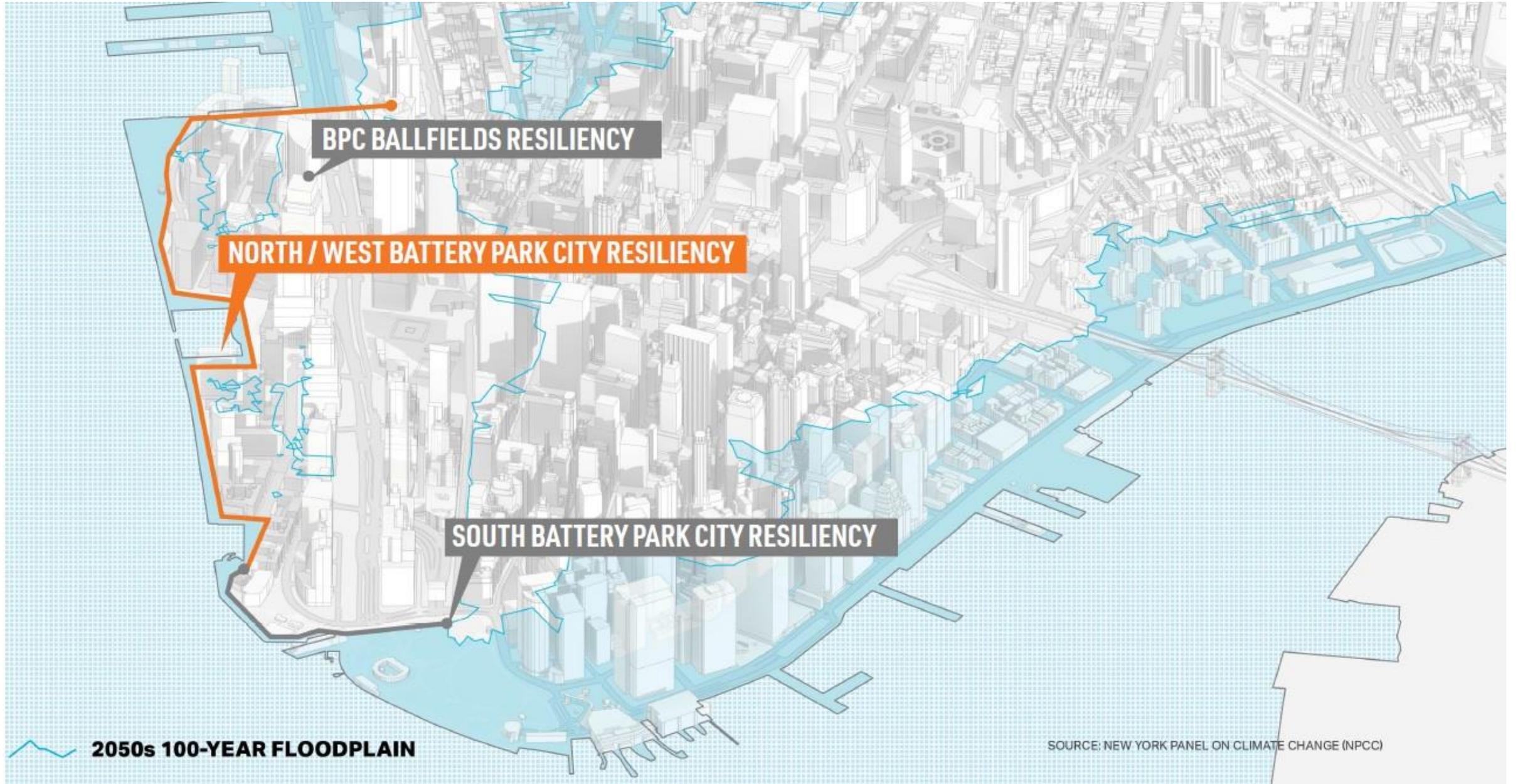
SOUTH BATTERY PARK CITY RESILIENCY | COLLABORATION PARTNERS



SOUTH BATTERY PARK CITY RESILIENCY

Project Background and Description

LOWER MANHATTAN | BPCA RESILIENCY PROJECTS



2050s 100-YEAR FLOODPLAIN

SOURCE: NEW YORK PANEL ON CLIMATE CHANGE (NPCC)

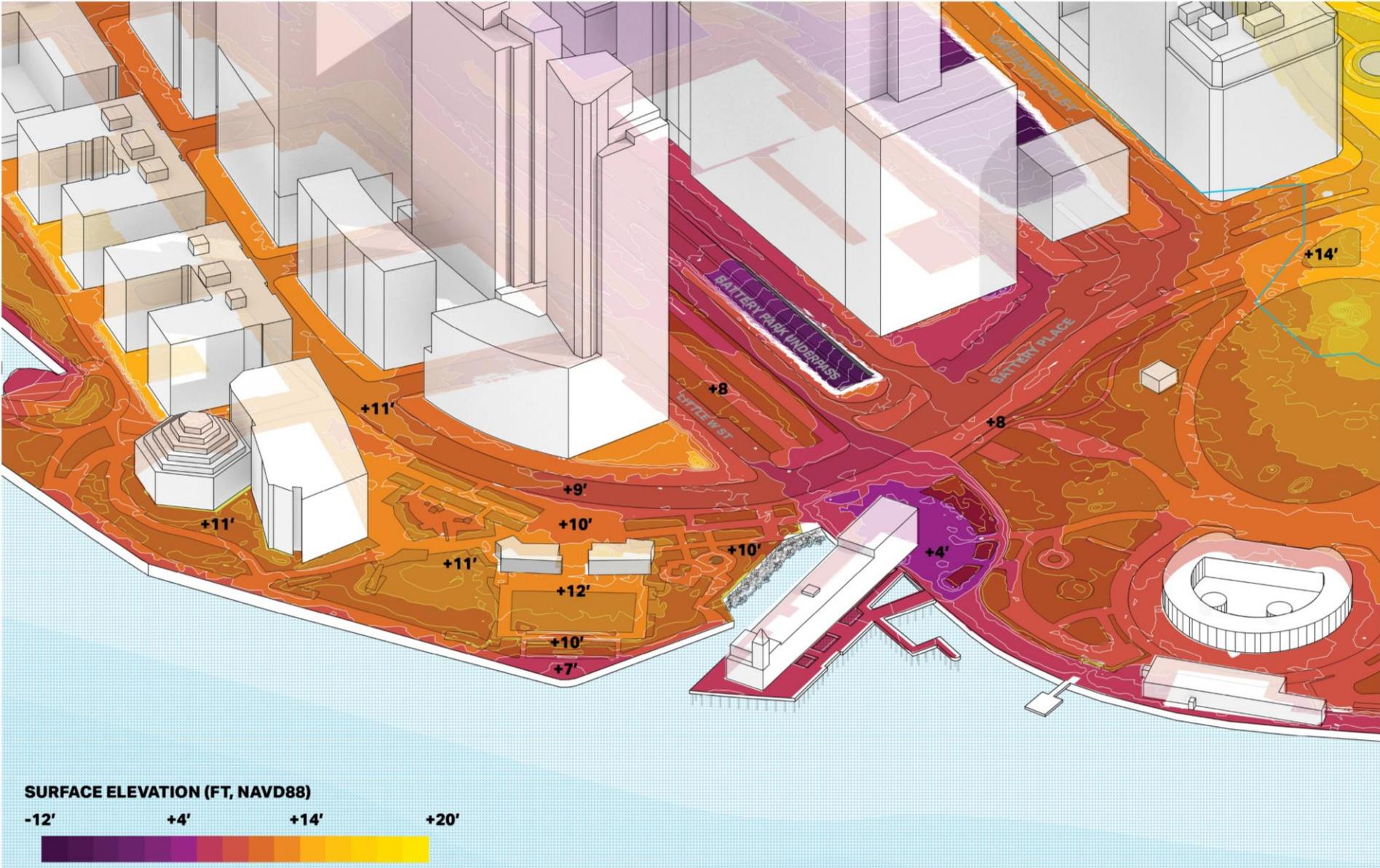
SOUTH BATTERY PARK CITY RESILIENCY | PURPOSE AND NEED

Provide a reliable coastal flood control system to provide risk reduction to property, residents and assets within the vicinity of South Battery Park City in response to the design storm event;

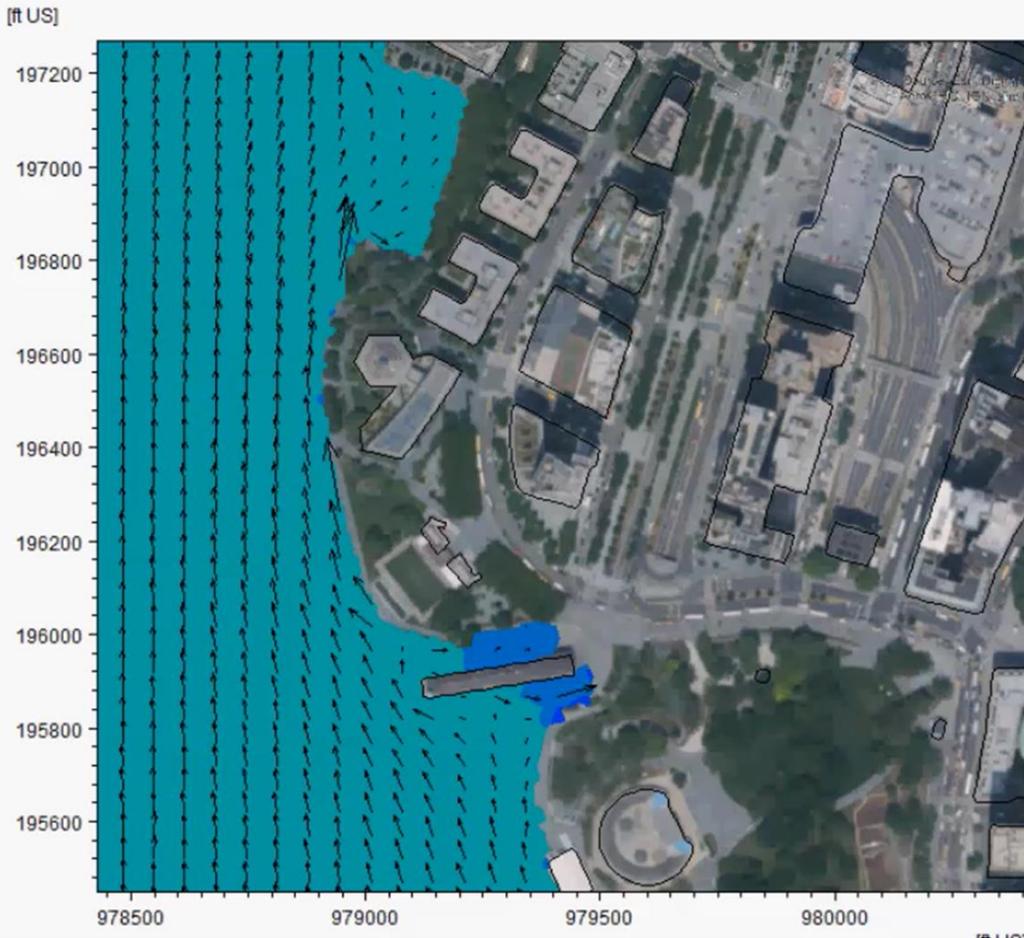
Protect and preserve to the maximum extent practicable, open space resources and opportunities to view and interact with the Manhattan waterfront, particularly in Wagner Park, Pier A Plaza and The Battery; and,

Avoid or minimize disruption to existing below and above-ground infrastructure (i.e., water and sewer infrastructure, subways, tunnels, utilities, etc.) from flood events.

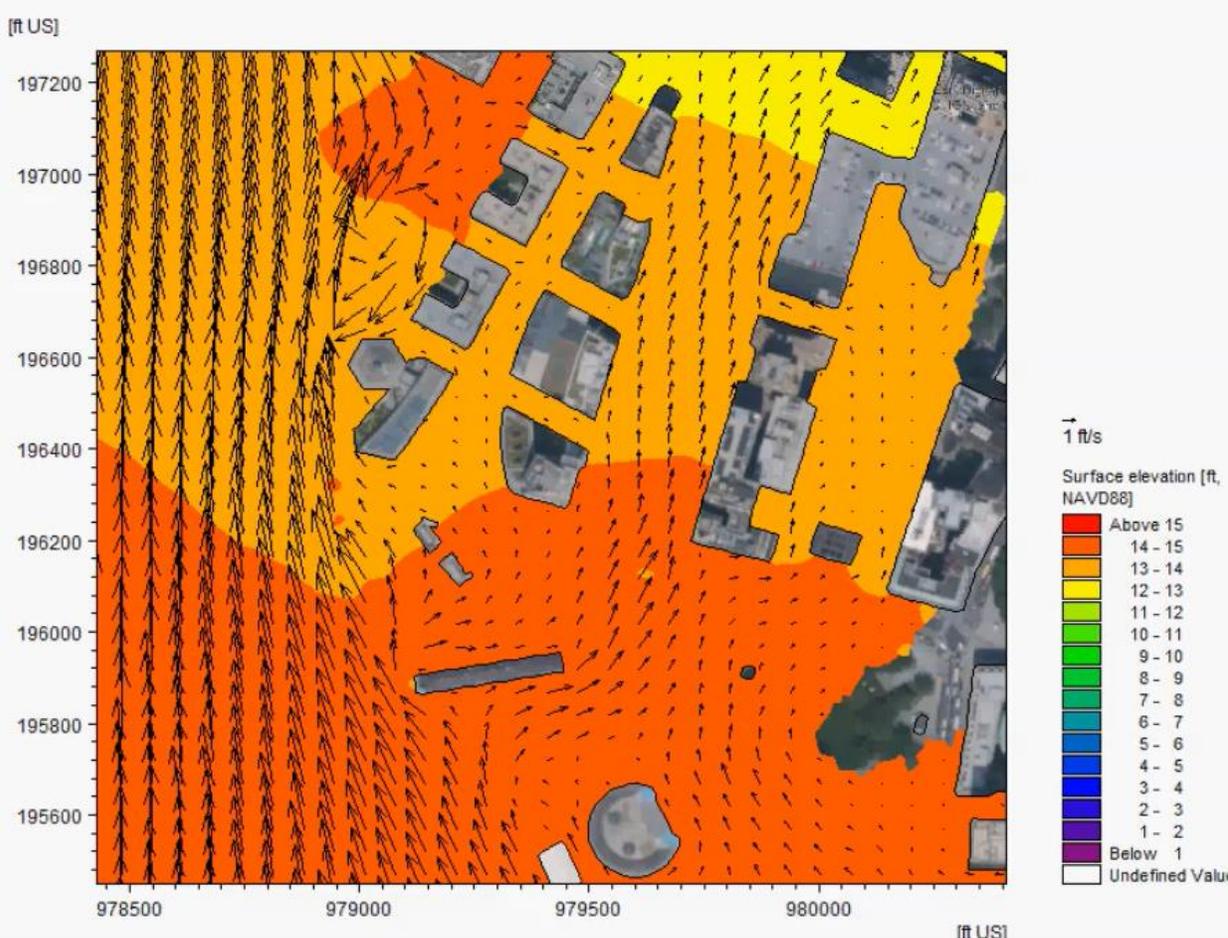
SOUTH BATTERY PARK CITY RESILIENCY | EXISTING TOPOGRAPHY



SOUTH BATTERY PARK CITY RESILIENCY | COASTAL MODELING FOR 2050 CONDITION



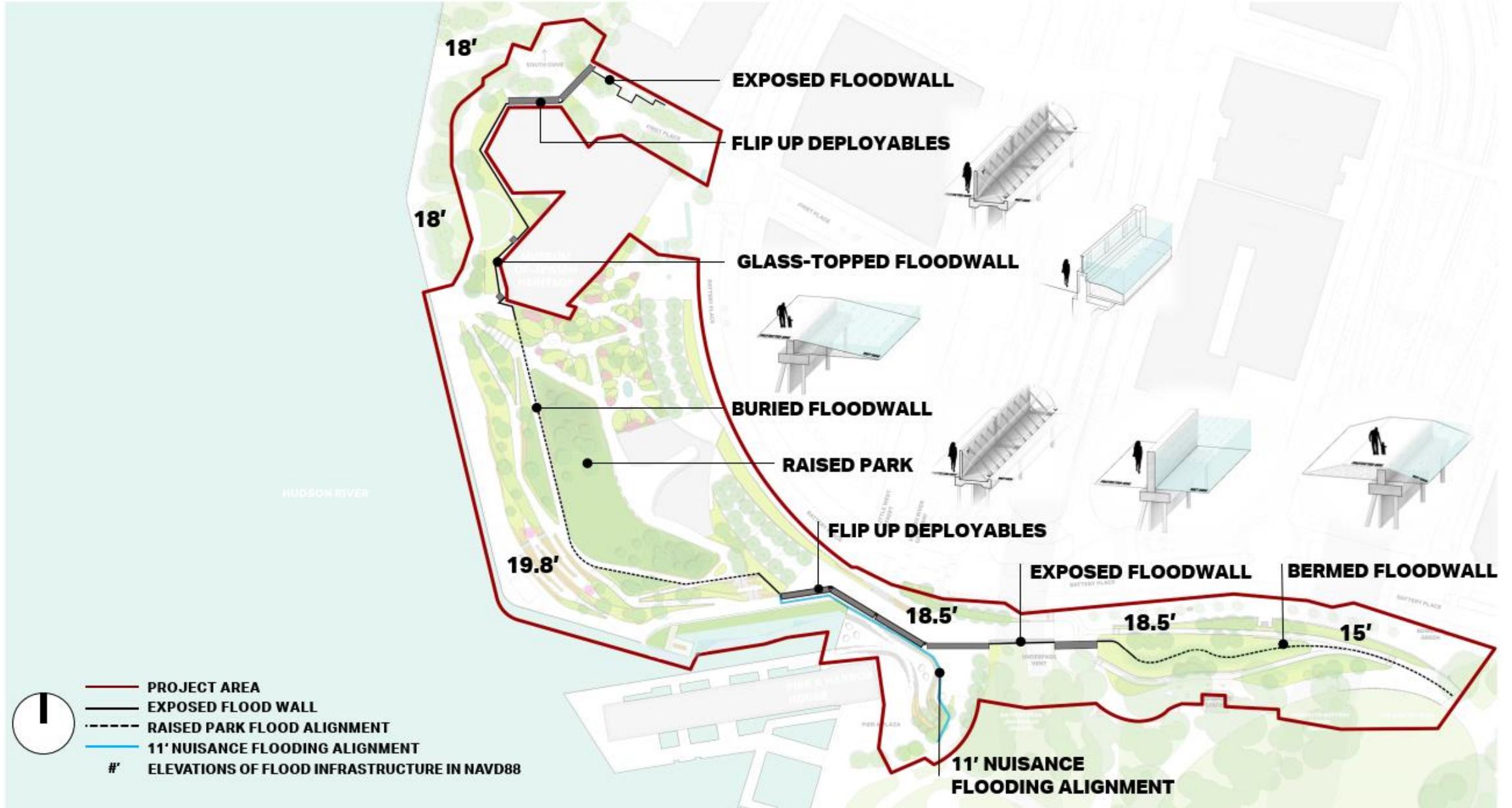
Before 2050 100 Year Storm Event



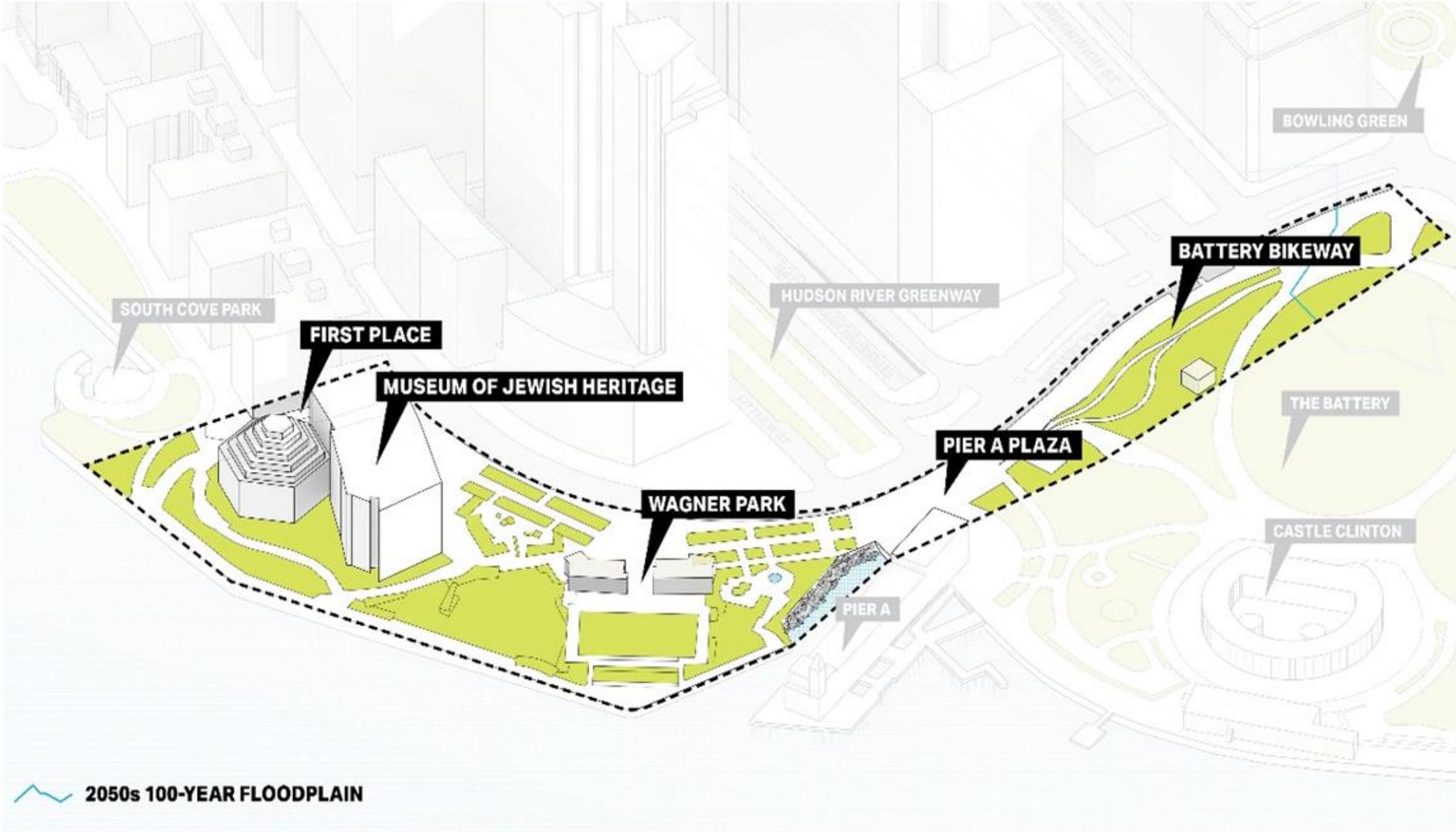
After 2050 100 Year Storm Event

2050 100-year storm event with Sea Level Rise
without the Proposed Action

SOUTH BATTERY PARK CITY RESILIENCY | FLOOD ALIGNMENT AND DFE



SOUTH BATTERY PARK CITY RESILIENCY | MAJOR PROJECT ELEMENTS



SOUTH BATTERY PARK CITY RESILIENCY | INTERIOR DRAINAGE IMPROVEMENTS

Installation of three tidegates:

1st Place

Rector Street

Pier A Plaza

Installation of two isolation valves in The Battery

Near Surface Isolation System -
installation of a gate at existing regulator structures on West Street



Manhole 19 in West Street at Albany Street

ENVIRONMENTAL REVIEW PROCESS

Summary of Environmental Review Process

Alternatives

Analysis Framework

Operational and Construction Impacts

SOUTH BATTERY PARK CITY RESILIENCY | DRAFT ENVIRONMENTAL IMPACT STATEMENT (EIS)

Required by the New York State Environmental Quality Review (SEQR) Act

Follows methodologies pursuant to both SEQR and New York City Environmental Quality Review (CEQR) Processes

Positive Declaration issued – meaning potential significant impacts are possible and an EIS is required

Summary of Environmental Review Process:

Scoping Document Issued on September 29, 2021

Virtual Scoping Meeting Held on October 13, 2021

Scoping Public Comment Period closed on October 29, 2021

Final Scoping Document issued on May 4, 2022

Draft EIS Issued on May 4, 2022

Draft EIS Public Hearing on May 19, 2022

Draft EIS Public Comment Period closes on June 3, 2022

Public/Agency Comments addressed in the Final EIS

SOUTH BATTERY PARK CITY RESILIENCY | PROJECT AND STUDY AREAS

Legend

-  Project Area Sites
-  Study Area

Flood Alignment

-  Exposed Floodwall
-  Buried Floodwall
-  Glass Topped Floodwall
-  Flip-Up Deployable Gate
-  Fixed Column

-  NSI Elements
-  Tidegate
-  Isolation Valve



SOUTH BATTERY PARK CITY RESILIENCY | REASONABLE ALTERNATIVES TO THE PROPOSED ACTION

NO ACTION CONDITION

Considers future conditions in the event the project is not constructed, including other projects proposed within the Study Area

ACTION ALTERNATIVES CONSIDERED

First Place

Museum of Jewish Heritage

Wagner Park

Wagner Park Pavilion

Pier A Plaza

The Battery

Interior Drainage

SOUTH BATTERY PARK CITY RESILIENCY | ANALYSIS FRAMEWORK

2024 Build Year

Environmental and Socioeconomic Disciplines per SEQR/CEQR
Requirements

Long Term (Operational) Impacts

Short Term (Construction) Impacts

Unavoidable Adverse Impacts

Growth Inducing Aspects of Proposed Action

Irreversible and Irretrievable Commitments of Resources

SOUTH BATTERY PARK CITY RESILIENCY | OPERATIONAL IMPACTS

NO SIGNIFICANT ADVERSE IMPACTS

- Land Use, Zoning and Public Policy
- Open Space
- Shadows
- Neighborhood Character
- Natural Resources
- Water and Sewer Infrastructure
- Hazardous Materials
- Energy
- Transportation
- Air Quality
- Greenhouse Gas Emissions
- Noise and Vibration

UNAVOIDABLE SIGNIFICANT ADVERSE IMPACTS

- Historic and Cultural Resources
 - Adverse Impact (State 14.09)
 - Letter of Recommendation
- Urban Design and Visual Resources
 - Impact to Views

SOUTH BATTERY PARK CITY RESILIENCY | OPERATIONAL IMPACTS

HISTORIC AND CULTURAL RESOURCES

Adverse Impact to Wagner Park

Compliance with State regulations 14.09

Coordination with State Historic Preservation Office (SHPO)

Letter of Resolution (LOR)

Historical American Landscape Survey (HALS) Documentation

Interpretive Panels

Website or QR Codes with history of Wagner Park

SOUTH BATTERY PARK CITY RESILIENCY | OPERATIONAL IMPACTS

URBAN DESIGN AND VISUAL RESOURCES

Views along Battery Place towards the Hudson River Waterfront and south of the Museum of Jewish Heritage will have an adverse impact

To minimize the impact on these views:

Recreate the framed and unobstructed view of the Hudson River Waterfront and Statue of Liberty from the Pavilion

Improved wayfinding signage



Proposed View from the New Pavilion

SOUTH BATTERY PARK CITY RESILIENCY | CONSTRUCTION IMPACTS (TEMPORARY)

NO SIGNIFICANT ADVERSE IMPACTS

- Transportation
- Air Quality
- Noise and Vibration
- Hazardous Materials
- Natural Resources
- Socioeconomic Conditions
- Community Facilities
- Land Use, Zoning and Public Policy & Neighborhood Character
- Water and Sewer

UNAVOIDABLE SIGNIFICANT ADVERSE IMPACTS

- Open Space

SOUTH BATTERY PARK CITY RESILIENCY | CONSTRUCTION IMPACTS

OPEN SPACE

The following open spaces will be closed during construction:

Battery Park City Esplanade south of South Cove (24 months)

Wagner Park (24 months)

Pier A Plaza (21 months)

Portions of The Battery (18 months)

Mitigation Measures for Open Space:

Existing Battery Bikeway will be rerouted along the northern boundary of The Battery from State Street to West Street

BPCA will temporarily relocate all the programs and events from Wagner Park to other parks and open spaces in Battery Park City

SOUTH BATTERY PARK CITY RESILIENCY | NEXT STEPS

WHAT TO
EXPECT AFTER
THIS PUBLIC
HEARING?

Comment Period
Closes June 3, 2022



Final EIS completed
July 2022



SEQR Findings
Statement anticipated
in August 2022



SOUTH BATTERY PARK CITY RESILIENCY | HOW TO COMMENT

Comments are welcome until June 3, 2022. To submit comments after this Public Hearing:

1. Send a written comment by email or mail

Claudia.Filomena@bpca.ny.gov

Claudia Filomena, Battery Park City Authority, 200 Liberty Street, 24th Floor, New York, NY 10281

2. Record a verbal comment via voicemail at **212-417-2384**.

All comments will be part of the official Public Hearing Record. They will be addressed in a Final Environmental Impact Statement, which will be posted on the BPCA website.

An aerial photograph of Lower Manhattan, New York City, showing a dense cluster of skyscrapers and buildings. The Hudson River is visible on the left side of the image. In the foreground, there is a large green park area with trees and a circular structure. The text is overlaid in the center of the image.

THANK YOU
For participating in the
South Battery Park City
Resiliency Project
Virtual Public Hearing



**If you have just joined the South
Battery Park City Resiliency
Project Virtual Public Hearing
and have not provided
testimony, please enter your
name and contact information in
the Chat.**